

## Table H. - Engineering Index Properties

Carson City Area, Nevada

Absence of an entry indicates that the data were not estimated.

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
1: Aldax	0-3	Very Stony Fine Sandy	GM	A-1 A-2	5-25	15-30	35-55	30-50	25-50	15-35	20-30	NP-5
	3-14	Very Stony Loam Extremely Stony Fine Sandy Loam	GM	A-1 A-2	25-40	10-40	25-40	20-35	15-35	10-30	20-30	NP-5
	14-18	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Indiano	0-13	Stony Fine Sandy Loam	CL-ML GC-GM	A-4	5-15	0-15	65-80	60-75	50-70	35-55	20-30	NP-10
	13-33	Gravelly Clay Loam Sandy Clay Loam	GM ML CL	A-2	0	0-15	65-95	60-85	50-85	30-70	30-45	15-25
	33-37	Unweathered Bedrock	GC SC	A-6 A-7	---	---	---	---	---	---	---	---
2: Aldax Variant	0-5	Very Stony Very Fine Sandy Loam	GM	A-1	5-25	5-30	40-50	30-40	25-35	15-25	15-25	NP-5
	5-15	Very Gravelly Loam Very Gravelly Very Fine Sandy Loam	GM	A-1 A-2	0-5	5-20	45-55	35-45	30-40	20-30	15-25	NP-5
	15-19	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---

3:

**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
3: Arkson	0-15	Stony Very Fine Sandy	GM	A-2	1-5	5-10	60-70	50-60	45-55	25-35	15-25	NP-5
	15-40	Gravelly Very Fine Sandy Loam	SM	A-2 A-4	0-2	5-15	65-75	55-65	50-60	30-40	15-25	NP-5
	40-60	Very Gravelly Very Fine Sandy Loam	GM	A-1	0-5	5-15	35-45	30-40	20-30	10-20	15-25	NP-5
Rock Outcrop	---				---	---	---	---	---	---	---	---
4: Bishop	0-28	Loam	CL	A-6	0	0	100	95-100	65-85	50-70	30-40	10-15
	28-60	Stratified Sandy Loam To Clay Loam	CL CL-ML ML SC-SM	A-4 A-6	0	0-15	95-100	85-100	60-70	45-60	20-40	NP-15
Voltaire	0-18	Silty Clay Loam	CL	A-6	0	0	100	100	95-100	85-95	35-40	20-25
	18-60	Stratified Loamy Sand To Silty Clay Loam	CL	A-6	0	0	100	100	90-100	75-85	35-40	20-25
5: Cagle	0-4	Very Stony Clay Loam	CL	A-6 A-7	5-25	5-30	85-95	80-90	75-85	55-65	35-45	15-25
	4-24	Gravelly Silty Clay Gravelly Clay Loam Gravelly Clay	CH CL GC	A-7	0	0-5	60-85	50-75	45-75	40-65	45-55	20-30
	24-28	Very Gravelly Clay Extremely Gravelly Clay Very Cobbly Clay Loam	GC	A-2	5-20	5-30	30-55	20-55	20-50	15-35	45-55	20-30
	28-32	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---

# Table H. - Engineering Index Properties - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
5: Nosrac	In											
	0-9	Stony Clay Loam	GC	A-6	1-5	5-20	60-70	55-60	50-60	40-50	30-35	10-15
	9-34	Very Gravelly Clay Loam	GC	A-2	0-5	5-60	40-50	30-40	30-40	20-30	40-45	15-20
	34-60	Very Gravelly Clay Loam	GC	A-2	0-5	5-10	50-60	40-50	35-45	25-35	40-45	15-20
6: Cagwin	0-8	Gravelly Sand	SM SW-SM	A-1	0	0-5	90-95	65-75	20-40	5-15	---	NP
	8-35	Gravelly Coarse Sand Gravelly Loamy Coarse	SM	A-1	0	0-5	85-95	55-75	20-35	10-20	---	NP
	35-39	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
7: Cagwin	0-8	Gravelly Sand	SM SW-SM	A-1	0	0-5	90-95	65-75	20-40	5-15	---	NP
	8-35	Gravelly Loamy Coarse Gravelly Coarse Sand	SM	A-1	0	0-5	85-95	55-75	20-35	10-20	---	NP
	35-39	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Toem	0-9	Gravelly Coarse Sand	SM SW-SM	A-1	0	0-5	65-85	50-75	25-40	5-20	0-14	NP
	9-17	Loamy Coarse Sand Gravelly Coarse Sand	SM SP-SM	A-1	0	0-5	65-95	50-90	25-50	5-20	0-14	NP
	17-21	Gravelly Loamy Coarse Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
8:												

**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
8: Corbett	0-9	Gravelly Sand	SP-SM SW-SM	A-1 A-2 A-3	0	0-5	75-95	50-75	30-60	5-10	---	NP
	9-32	Gravelly Loamy Sand Sand	SM SP-SM	A-1	0	0-10	70-95	55-90	30-50	5-20	---	NP
	32-36	Gravelly Loamy Coarse Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
9: Corbett	0-9	Gravelly Sand	SP-SM SW-SM	A-1 A-2 A-3	0	0-5	75-95	50-75	30-60	5-10	---	NP
	9-32	Sand Gravelly Loamy Coarse Gravelly Loamy Sand	SM SP-SM	A-1	0	0-10	70-95	55-90	30-50	5-20	---	NP
	32-36	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
10: Corbett	0-9	Stony Loamy Coarse Sand	SM	A-1	1-5	5-50	70-90	40-55	20-30	10-15	---	NP
	9-32	Gravelly Loamy Sand Sand	SM SP-SM	A-1	0	0-10	70-95	55-90	30-50	5-20	---	NP
	32-36	Gravelly Loamy Coarse Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Toiyabe	0-7	Stony Loamy Coarse Sand	SM SP-SM	A-1	1-5	5-15	70-100	60-85	20-50	5-20	---	NP
	7-15	Coarse Sand Gravelly Loamy Coarse Loamy Coarse Sand	SM SP-SM	A-1	0-5	0-10	70-100	60-85	20-50	5-20	---	NP
	15-19	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
11:												

# Table H. - Engineering Index Properties - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
11:												
Cradlebaugh	0-6	Loam	CL	A-6	0	0	100	100	90-100	60-75	30-40	10-15
	6-60	Stratified Fine Sandy Loam To Silty Clay Loam	CL	A-6	0	0	100	100	90-100	60-75	30-40	10-20
	60-64	Fine Sandy Loam	SM	A-4	0	0	100	100	70-80	40-50	15-25	NP-5
Jubilee	0-12	Sandy Loam	SM	A-2	0	0	95-100	85-100	50-60	25-35	15-25	NP-5
	12-60	Stratified Coarse Sand To Sandy Loam	SM	A-1	0	0	95-100	85-100	40-50	10-20	0-14	NP
Voltaire	0-18	Silty Clay Loam	CL	A-6	0	0	100	100	95-100	85-95	35-40	20-25
	18-60	Stratified Loamy Sand To Silty Clay Loam	CL	A-6	0	0	100	100	90-100	75-85	35-40	20-25
12:												
Dalzell	0-10	Fine Sandy Loam	SM	A-4	0	0	100	100	70-80	40-50	---	NP
	10-20	Loam	CL	A-6	0	0	100	100	90-100	70-80	30-40	15-25
	20-39	Clay Loam										
		Stratified Fine Sandy Loam To Sandy Clay Loam	SC	A-6	0	0	100	100	75-85	35-50	25-35	10-15
	39-43	Cemented	---	---	---	---	---	---	---	---	---	---
13:												
Dalzell Variant	0-10	Fine Sandy Loam	SM	A-4	0	0	95-100	85-95	70-80	40-50	20-30	NP-5
	10-25	Clay Loam	CH	A-7	0	0	90-100	65-85	60-80	55-70	45-60	25-35
		Clay	CL									
	25-36	Gravelly Clay Loam	CL-ML ML	A-4	0	0	90-100	80-90	70-80	60-70	20-30	NP-10
	36-60	Stratified Fine Sandy Loam To Loam	CL-ML ML	A-4	0	0	90-100	80-90	60-70	50-60	15-25	NP-10
14:												

**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches  Pct	3-10 Inches  Pct	4	10	40	200		
14: Deven	In											
	0-2	Very Cobbly Loam	GC GC-GM GM SC-SM SM	A-4	1-5	30-50	55-80	50-75	45-65	35-50	25-35	5-10
	2-16	Clay Loam	CH	A-7	0	0	80-95	75-90	70-85	60-80	40-60	20-35
	16-20	Unweathered Bedrock	CL ---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---
15: Deven												
	0-5	Very Cobbly Loam	GC GC-GM GM SC-SM SM	A-4	1-5	30-50	55-80	50-75	45-65	35-50	25-35	5-10
	5-12	Clay	CH	A-7	0	0	80-95	75-90	70-85	60-80	40-60	20-35
	12-16	Clay Loam Unweathered Bedrock	CL ---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---
17: Glenbrook												
	0-9	Gravelly Loamy Coarse	SM SW-SM	A-1	0	0-10	80-95	60-75	40-50	5-20	---	NP
	9-15	Coarse Sand Gravelly Sand	SM SW-SM	A-1	0	0-10	80-95	60-80	40-50	5-20	---	NP
	15-19	Gravelly Loamy Coarse Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
18:												

Distribution Generation Date:

**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
18: Glenbrook	In											
	0-9	Gravelly Loamy Coarse	SM SW-SM	A-1	0	0-10	80-95	60-75	40-50	5-20	---	NP
	9-15	Gravelly Sand Gravelly Loamy Coarse Coarse Sand	SM SW-SM	A-1	0	0-10	80-95	60-80	40-50	5-20	---	NP
	15-19	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---
19: Glenbrook												
	0-9	Gravelly Loamy Coarse	SM SW-SM	A-1	0	0-10	80-95	60-75	40-50	5-20	---	NP
	9-15	Coarse Sand Gravelly Sand Gravelly Loamy Coarse	SM SW-SM	A-1	0	0-10	80-95	60-80	40-50	5-20	---	NP
	15-19	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---
20: Glenbrook												
	0-9	Gravelly Loamy Coarse	SM SW-SM	A-1	0	0-10	80-95	60-75	40-50	5-20	---	NP
	9-15	Coarse Sand Gravelly Sand Gravelly Loamy Coarse	SM SW-SM	A-1	0	0-10	80-95	60-80	40-50	5-20	---	NP
	15-19	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---
21:												

**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
21: Greenbrae	In											
	0-12	Gravelly Sandy Loam	SM	A-1 A-2	0	0	85-95	60-75	45-50	20-30	15-25	NP-5
	12-36	Clay Loam Sandy Clay Sandy Clay Loam	CL SC	A-6 A-7	0	0	95-100	90-100	70-85	40-65	35-45	15-25
	36-60	Stratified Coarse Sand To Gravelly Loam	SM	A-2	0	0	90-100	75-100	45-60	25-35	---	NP
22: Greenbrae												
	0-4	Fine Sandy Loam	SM	A-2	0	0	95-100	90-100	65-75	20-35	20-25	NP-5
	4-24	Sandy Clay Sandy Clay Loam Clay Loam	CL SC	A-6 A-7	0	0	95-100	90-100	70-85	40-65	35-45	15-25
	24-60	Stratified Coarse Sand To Gravelly Loam	SM	A-2	0	0	90-100	75-100	45-60	25-35	---	NP
23: Haybourne												
	0-9	Sand	SM SP-SM SW-SM	A-1	0	0	90-100	75-95	40-50	5-15	0-14	NP
	9-25	Gravelly Sandy Loam Fine Sandy Loam Sandy Loam	SM	A-2	0	0	75-100	70-100	50-60	25-35	20-25	NP-5
	25-60	Stratified Gravelly Coarse Sand To Fine Sandy Loam	SM	A-1 A-2	0	0	90-100	75-100	45-55	15-30	0-14	NP
24:												



**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
24: Haybourne	In											
	0-12	Sand	SM SP-SM SW-SM	A-1	0	0	90-100	75-95	40-50	5-15	0-14	NP
	12-25	Fine Sandy Loam Gravelly Sandy Loam Sandy Loam	SM	A-2	0	0	75-100	70-100	50-60	25-35	20-25	NP-5
	25-60	Stratified Gravelly Coarse Sand To Fine Sandy Loam	SM	A-1 A-2	0	0	90-100	75-100	45-55	15-30	0-14	NP
25: Haybourne												
	0-6	Sandy Loam	SM	A-2 A-4	0	0	80-90	75-85	40-50	30-40	---	NP
	6-25	Fine Sandy Loam Gravelly Sandy Loam Sandy Loam	SM	A-2	0	0	75-100	70-100	50-60	25-35	20-25	NP-5
	25-60	Stratified Gravelly Coarse Sand To Fine Sandy Loam	SM	A-1 A-2	0	0	90-100	75-100	45-55	15-30	---	NP
26: Haybourne												
	0-6	Sandy Loam	SM	A-2 A-4	0	0	80-90	75-85	40-50	30-40	---	NP
	6-25	Fine Sandy Loam Gravelly Sandy Loam Sandy Loam	SM	A-2	0	0	75-100	70-100	50-60	25-35	20-25	NP-5
	25-60	Stratified Gravelly Coarse Sand To Fine Sandy Loam	SM	A-1 A-2	0	0	90-100	75-100	45-55	15-30	---	NP
27:												

**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
27: Haybourne	In											
	0-6	Gravelly Sandy Loam	SM	A-1 A-2	0	0	60-90	50-75	35-50	20-30	0-14	NP
	6-25	Gravelly Sandy Loam Sandy Loam	SM	A-2	0	0	70-90	65-85	50-60	25-35	0-14	NP
	25-60	Fine Sandy Loam Stratified Gravelly Coarse Sand To Fine Sandy Loam	SM	A-1 A-2	0	0	70-85	65-80	40-55	15-30	0-14	NP
28: Histic Haplaquolls	0-9	Peat	GP PT	A-1 A-8	0	0	---	---	---	---	---	---
	9-45	Silty Clay Loam Silt Loam	CL CL-ML	A-4 A-6	0	0	100	100	70-100	50-95	20-45	NP-20
	45-60	Loam Stratified Gravelly Sand To Loam	ML CL-ML ML SC-SM SM	A-7 A-2 A-4	0	0	65-100	60-90	45-75	30-60	15-30	NP-10
Bishop	---				---	---	---	---	---	---	---	---
29: Hocar	0-7	Gravelly Loam	GM SM	A-2 A-4	0	0-5	60-80	50-75	40-60	30-50	20-25	NP-5
	7-17	Extremely Gravelly Loam Very Gravelly Loam	GC-GM GM GW-GM	A-1 A-2	0	0-5	15-50	10-45	10-35	5-25	20-30	NP-10
	17-21	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---
30:												

**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches  Pct	3-10 Inches  Pct	4	10	40	200		
30: Hocar	0-3	Very Gravelly Loam	GM	A-1 A-2 A-4	0	0-5	30-60	25-50	20-45	15-40	20-25	NP-5
	3-17	Extremely Gravelly Loam Very Gravelly Loam	GC-GM GM GW-GM	A-1 A-2	0	0-5	15-50	10-45	10-35	5-25	20-30	NP-10
	17-20	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---
31: Holbrook	0-9	Gravelly Fine Sandy Loam	SM	A-2	0	0-5	70-85	60-70	45-55	25-35	15-20	NP-5
	9-60	Stratified Stony Sand To Extremely Gravelly Loam	GM SM	A-1 A-2	0-10	10-40	45-70	40-65	30-50	15-30	---	NP
Jubilee	0-12	Sandy Loam	SM	A-2	0	0	95-100	85-100	50-60	25-35	15-25	NP-5
	12-60	Stratified Coarse Sand To Sandy Loam	SM	A-1	0	0	95-100	85-100	40-50	10-20	0-14	NP
32: Holbrook	0-12	Very Stony Fine Sandy	SM	A-1 A-2	5-25	10-25	60-70	50-60	35-45	20-30	15-20	NP-5
	12-60	Stratified Stony Sand To Extremely Gravelly Loam	GM	A-1	5-30	10-30	30-50	20-40	15-35	10-20	---	NP
33: Holbrook Variant	0-9	Very Stony Fine Sandy	GM	A-1	5-25	10-30	35-45	25-35	20-30	10-20	---	NP
	9-35	Extremely Cobbly Sandy Loam Very Cobbly Sandy Loam Very Gravelly Fine Sandy Loam	GM	A-1	0-5	10-50	30-55	25-50	20-40	10-15	---	NP
	35-39	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---

**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
33:  Rock Outcrop	  ---				  ---	  ---	  ---	  ---	  ---	  ---	  ---	  ---
34: Incy	0-9	Fine Sand	SM SP-SM SW-SM	A-2 A-3	0	0	100	80-100	65-90	5-15	---	NP
	9-60	Fine Sand Sand	SM SP-SM SW-SM	A-2 A-3	0	0	100	80-100	50-80	5-15	---	NP
35: Indiano Variant	0-11 11-29 29-33	Gravelly Fine Sandy Loam Gravelly Clay Loam Unweathered Bedrock	SM GC ---	A-2 A-6 ---	0 0 ---	0-5 0 ---	75-85 65-75 ---	60-70 55-65 ---	40-50 55-65 ---	25-35 40-50 ---	20-25 30-40 ---	NP-5 10-20 ---
36: Jubilee	0-20 20-60	Coarse Sandy Loam Stratified Coarse Sand To Sandy Loam	SM SM	A-2 A-1	0 0	0 0	95-100 95-100	85-100 85-100	50-60 40-50	25-35 10-20	15-25 0-14	NP-5 NP
37: Jubilee	0-12 12-60	Sandy Loam Stratified Coarse Sand To Sandy Loam	SM SM	A-2 A-1	0 0	0 0	95-100 95-100	85-100 85-100	50-60 40-50	25-35 10-20	15-25 0-14	NP-5 NP
38:												

# Table H. - Engineering Index Properties - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
38: Kimmerling	In											
	0-15	Silty Clay Loam	CL ML	A-7	0	0	100	100	90-100	80-95	40-50	15-20
	15-60	Stratified Loam To Silty Clay Loam	CL	A-6 A-7	0	0	100	100	90-100	70-80	35-45	15-25
	60-64	Stratified Gravelly Loamy Sand To Silty Clay Loam	CL SC	A-6	0	0	75-100	70-100	50-90	40-65	30-40	10-20
40: Koontz												
	0-9	Very Gravelly Loam	GM	A-2	0	0-15	50-65	35-50	30-45	25-35	20-30	NP-5
	9-14	Very Gravelly Clay Loam	GC	A-2	0	0-15	50-65	35-50	30-45	25-40	30-40	10-20
		Very Gravelly Loam		A-6								
	14-18	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Sutro												
	0-6	Very Stony Loam	GC	A-2 A-6	5-15	5-25	55-65	45-55	35-45	30-40	30-35	10-15
	6-24	Gravelly Fine Sandy Loam Gravelly Loam	SC	A-6	0	5-20	70-80	55-65	45-55	35-45	30-35	10-15
	24-28	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
41: Koontz												
	0-4	Extremely Stony Loam	GM	A-4	25-40	10-20	50-75	45-70	40-60	35-50	20-30	NP-5
	4-9	Very Gravelly Clay Loam	GC	A-2	0-5	0-15	50-65	35-50	25-45	25-40	30-40	10-20
		Very Gravelly Loam		A-6								
	9-13	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Sutro												
	0-6	Very Stony Loam	GC	A-2 A-6	5-15	5-25	55-65	45-55	35-45	30-40	30-35	10-15
	6-24	Gravelly Fine Sandy Loam Gravelly Loam	SC	A-6	0	5-20	70-80	55-65	45-55	35-45	30-35	10-15
	24-28	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
42:												

**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches  Pct	3-10 Inches  Pct	4	10	40	200		
42: Koontz	In											
	0-6	Very Stony Loam	ML SM	A-4	5-25	10-25	80-90	70-80	45-60	40-55	20-30	NP-5
	6-18	Very Gravelly Clay Loam Very Gravelly Loam	GC	A-2 A-6	0-5	0-15	50-65	35-50	25-45	25-40	30-40	10-20
	18-22	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Sutro Variant	0-9	Very Stony Loam	SM	A-4	5-25	25-30	75-85	65-75	55-65	40-50	0-25	NP-5
	9-51	Gravelly Loam Loam	GM SM	A-4	0-2	0-5	60-80	55-80	50-70	35-50	0-25	NP-5
	51-55	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
43: Koontz	0-6	Very Stony Loam	ML SM	A-4	5-25	10-25	80-90	70-80	45-60	40-55	20-30	NP-5
	6-18	Very Gravelly Loam Very Gravelly Clay Loam	GC	A-2 A-6	0-5	0-15	50-65	35-50	25-45	25-40	30-40	10-20
	18-22	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Sutro Variant	0-9	Very Stony Loam	SM	A-4	5-25	5-20	75-85	65-75	55-65	40-50	0-25	NP-5
	9-51	Gravelly Loam Loam	GM SM	A-4	0-2	0-5	60-80	55-80	50-70	35-50	0-25	NP-5
	51-55	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
45: Mottsville	0-24	Loamy Coarse Sand	SM SW-SM	A-1	0	0	80-100	75-90	25-40	5-20	---	NP
	24-60	Stratified Gravelly Coarse Sand To Loamy Sand	SM SP-SM	A-1	0	0	90-100	55-95	30-50	5-20	---	NP

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**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches  Pct	3-10 Inches  Pct	4	10	40	200		
46: Old Camp	In											
	0-5	Very Stony Loam	GC-GM	A-2	5-25	20-30	60-70	55-65	45-55	30-40	15-25	NP-10
	5-11	Extremely Stony Sandy Clay Loam	GM	A-4								
		Very Cobbly Clay Loam	GC	A-2	20-30	15-25	40-55	35-50	30-45	25-40	30-40	15-25
		Very Stony Clay Loam		A-6								
	11-15	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Holbrook Variant	0-9	Very Stony Fine Sandy	GM	A-1	5-25	10-30	35-45	25-35	20-30	10-20	---	NP
	9-35	Very Gravelly Fine Sandy Loam	GM	A-1	0-5	10-50	30-55	25-50	20-40	10-15	---	NP
		Very Cobbly Sandy Loam										
		Extremely Cobbly Sandy Loam										
	35-39	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
47: Old Camp	0-5	Very Stony Loam	GC-GM	A-2	5-25	20-30	60-70	55-65	45-55	30-40	15-25	NP-10
			GM	A-4								
	5-11	Extremely Stony Sandy Clay Loam	GC	A-2	20-30	15-25	40-55	35-50	30-45	25-40	30-40	15-25
		Very Cobbly Clay Loam		A-6								
		Very Stony Clay Loam										
	11-15	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---
48:												

## Table H. - Engineering Index Properties - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
48: Old Camp	In											
	0-5	Very Stony Loam	GC-GM	A-2	5-25	20-30	60-70	55-65	45-55	30-40	15-25	NP-10
	5-11	Very Stony Clay Loam Extremely Stony Sandy Clay Loam	GM GC	A-4 A-2 A-6	20-30	15-25	40-55	35-50	30-45	25-40	30-40	15-25
	11-15	Very Cobbly Clay Loam Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rubble Land	---				---	---	---	---	---	---	---	---
49: Oppio												
	0-6	Very Stony Fine Sandy	SM	A-1 A-2	5-25	10-20	65-75	45-65	35-50	20-30	10-20	NP-5
	6-27	Gravelly Clay	GC GM	A-7	0	0-5	60-70	50-60	45-55	40-50	50-60	20-30
	27-31	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Nosrac												
	0-9	Stony Clay Loam	GC	A-6	1-5	5-20	60-70	55-65	50-60	40-50	30-35	10-15
	9-34	Very Gravelly Clay Loam Very Gravelly Loam	GC	A-2	0-10	5-25	45-55	40-50	30-45	25-35	35-40	15-20
	34-60	Very Gravelly Loam Very Gravelly Fine Sandy Loam Very Gravelly Clay Loam	GC	A-2 A-6	0-10	10-25	35-55	30-50	25-45	20-40	30-35	10-15
50: Orizaba												
	0-9	Loam	CL CL-ML	A-4 A-6	0	0	100	100	85-95	65-75	25-35	5-15
	9-60	Stratified Sand To Silty Clay Loam	CL	A-6	0	0	100	95-100	75-90	50-80	30-40	10-20



# Table H. - Engineering Index Properties - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
50: Kimmerling	In											
	0-26	Loam	CL	A-6	0	0	100	90-100	80-90	60-70	30-35	10-15
	26-38	Stratified Fine Sandy Loam To Clay Loam	CL	A-6	0	0	100	90-100	80-90	65-80	30-40	10-20
	38-60	Cobbly Sandy Loam	SM	A-1	0-5	15-20	70-85	65-80	35-50	15-25	---	NP
Voltaire	0-18	Silty Clay Loam	CL	A-6	0	0	100	100	95-100	85-95	35-40	20-25
	18-60	Stratified Loamy Sand To Silty Clay Loam	CL	A-6	0	0	100	100	90-100	75-85	35-40	20-25
51: Prey	0-13	Loamy Sand	SM	A-1 A-2	0	0	80-95	75-90	45-60	15-25	---	NP
	13-30	Gravelly Coarse Sandy Sandy Loam	SM	A-1 A-2	0	0	80-95	60-90	35-60	20-30	15-25	NP-5
	30-35	Cemented	---	---	---	---	---	---	---	---	---	---
	35-60	Loamy Coarse Sand	SM	A-1	0	0	75-90	75-85	30-40	20-25	---	NP
52: Prey	0-3	Fine Sandy Loam	SM	A-2	0	0	80-90	75-85	60-70	25-35	15-25	NP-5
	3-33	Sandy Loam	SM	A-2	0	0	90-100	80-90	50-60	25-35	25-35	NP-10
	33-36	Cemented	---	---	---	---	---	---	---	---	---	---
	36-60	Very Gravelly Loamy Sand	GP-GM GW-GM	A-1	0	0-5	40-50	30-40	10-20	5-10	0-14	NP
53: Prey	0-3	Gravelly Fine Sandy Loam	SM	A-1 A-2	0	0	75-85	60-75	45-50	20-30	15-25	NP-5
	3-33	Sandy Loam	SM	A-2	0	0	90-100	80-90	50-60	25-35	25-35	NP-10
	33-36	Cemented	---	---	---	---	---	---	---	---	---	---
	36-60	Very Gravelly Loamy Sand	GP-GM GW-GM	A-1	0	0-5	40-50	30-40	10-20	5-10	0-14	NP
54:												

**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
54: Reno	0-3	Cobbly Fine Sandy Loam	SM	A-1 A-2	0	15-30	75-95	65-90	45-65	20-30	15-25	NP-5
	3-24	Sandy Clay Clay Gravelly Clay	CH CL SC	A-7	0	0-5	80-100	70-95	60-85	45-75	45-65	25-35
	24-29	Indurated	---	---	---	---	---	---	---	---	---	---
	29-60	Extremely Gravelly Loamy Sand Very Gravelly Loamy Sand	GM GP-GM GW-GM	A-1	0	5-10	30-55	20-50	15-30	5-15	---	NP
55: Reno	0-3	Gravelly Clay Loam	CL GC SC	A-6	0	0	65-75	60-75	55-70	45-55	35-40	15-20
	3-20	Gravelly Clay Sandy Clay Clay	CH CL SC	A-7	0	0-5	80-100	70-95	60-85	45-75	45-65	25-35
	20-29	Indurated	---	---	---	---	---	---	---	---	---	---
	29-60	Very Gravelly Loamy Sand Extremely Gravelly Loamy Sand	GM GP-GM GW-GM	A-1	0	5-10	30-55	20-50	15-30	5-15	---	NP
56: Rock Outcrop	---				---	---	---	---	---	---	---	---
Aldax Variant	0-5	Very Stony Very Fine Sandy Loam	GM	A-1	5-25	5-30	40-50	30-40	25-35	15-25	15-25	NP-5
	5-15	Very Gravelly Very Fine Sandy Loam	GM	A-1 A-2	0-5	5-20	45-55	35-45	30-40	20-30	15-25	NP-5
	15-19	Very Gravelly Loam Weathered Bedrock	---	---	---	---	---	---	---	---	---	---

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**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
57: Sagouspe	In											
	0-10	Sand	SM	A-2	0	0	100	100	50-70	10-20	---	NP
	10-60	Stratified Coarse Sand To Silt Loam	SM	A-2 A-4	0	0	100	100	50-75	15-40	---	NP
58: Surprise	0-18	Coarse Sandy Loam	SM	A-1 A-2	0	0	80-100	75-90	40-55	20-30	---	NP
	18-37	Stratified Gravelly Sandy Loam To Gravelly Loam	SM	A-1 A-2	0	0-5	60-80	50-75	30-50	15-35	20-30	NP-5
	37-60	Stratified Very Gravelly Sandy Loam To Gravelly Sandy Loam	GM SM	A-1 A-2	0-2	0-15	50-70	35-60	20-40	10-30	---	NP
59: Surprise	0-12	Coarse Sandy Loam	SM	A-1 A-2	0	0	80-100	75-90	40-55	20-30	---	NP
	12-24	Stratified Gravelly Sandy Loam To Gravelly Loam	SM	A-1 A-2	0	0-5	60-80	50-75	30-50	15-35	20-30	NP-5
	24-60	Stratified Very Gravelly Sandy Loam To Gravelly Sandy Loam	GM SM	A-1 A-2	0-2	0-15	50-70	35-60	20-40	10-30	---	NP
60: Surprise	0-15	Sandy Loam	SM	A-1 A-2	0	0	80-100	75-90	40-55	20-30	---	NP
	15-37	Stratified Gravelly Sandy Loam To Gravelly Loam	SM	A-1 A-2	0	0-5	60-80	50-75	30-50	15-35	20-30	NP-5
	37-60	Stratified Very Gravelly Sandy Loam To Gravelly Sandy Loam	GM SM	A-1 A-2	0-2	0-15	50-70	35-60	20-40	10-30	---	NP

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**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
61: Surprise	In											
	0-7	Gravelly Sandy Loam	SM	A-1 A-2	0	0	70-80	60-75	35-50	15-30	---	NP
	7-40	Stratified Gravelly Sandy Loam To Gravelly Loam	SM	A-1 A-2	0	0-5	60-80	50-75	30-50	15-35	20-30	NP-5
	40-60	Stratified Very Gravelly Sandy Loam To Gravelly Sandy Loam	GM SM	A-1 A-2	0-2	0-15	50-70	35-60	20-40	10-30	---	NP
62: Tarloc	0-8	Gravelly Coarse Sandy	SM	A-1 A-2	0	0-5	90-100	65-75	40-50	20-30	0-14	NP
	8-22	Gravelly Coarse Sandy Gravelly Sandy Loam	SC SC-SM	A-2	0	0-5	80-90	55-65	35-45	15-25	15-25	5-10
	22-26	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
63: Tarloc	0-8	Gravelly Coarse Sandy	SM	A-1 A-2	0	0-5	90-100	65-75	40-50	20-30	0-14	NP
	8-22	Gravelly Sandy Loam Gravelly Coarse Sandy	SC SC-SM	A-2	0	0-5	80-90	55-65	35-45	15-25	15-25	5-10
	22-26	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Glenbrook	0-9	Gravelly Loamy Coarse	SM SW-SM	A-1	0	0-10	80-95	60-75	40-50	5-20	---	NP
	9-15	Gravelly Loamy Coarse Gravelly Sand Coarse Sand	SM SW-SM	A-1	0	0-10	80-95	60-80	40-50	5-20	---	NP
	15-19	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
66:												

**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
66: Toem	In											
	0-7	Bouldery Coarse Sand	SM SW-SM	A-1	1-5	10-25	65-90	55-75	25-40	5-20	0-14	NP
	7-17	Loamy Coarse Sand Gravelly Coarse Sand Gravelly Loamy Coarse	SM SP-SM	A-1	0	0-5	65-95	50-90	25-50	5-20	0-14	NP
	17-21	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---
67: Toiyabe												
	0-7	Stony Loamy Coarse Sand	SM SP-SM	A-1	1-5	5-15	70-100	60-85	20-50	5-20	---	NP
	7-20	Loamy Coarse Sand Coarse Sand Gravelly Loamy Coarse	SM SP-SM	A-1	0-5	0-10	70-100	60-85	20-50	5-20	---	NP
	20-24	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Corbett												
	0-8	Gravelly Sand	SP-SM SW-SM	A-1 A-2 A-3	0	0-5	75-95	50-75	30-60	5-10	---	NP
	8-40	Gravelly Loamy Sand Sand Gravelly Loamy Coarse	SM SP-SM	A-1	0	0-10	70-95	55-90	30-50	5-20	---	NP
	40-44	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
68: Toiyabe												
	0-7	Very Stony Loamy Coarse Sand	SM SP-SM	A-1	5-25	10-15	70-100	60-85	20-50	5-20	---	NP
	7-15	Coarse Sand Loamy Coarse Sand Gravelly Loamy Coarse	SM SP-SM	A-1	0-5	0-10	70-100	60-85	20-50	5-20	---	NP
	15-19	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---

**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
68:  Rock Outcrop	  ---				  ---	  ---	  ---	  ---	  ---	  ---	  ---	  ---
69: Toiyabe	0-6	Very Stony Loamy Coarse Sand	SM SP-SM	A-1	5-25	10-15	70-100	60-85	20-50	5-20	---	NP
	6-17	Coarse Sand Gravelly Loamy Coarse Loamy Coarse Sand	SM SP-SM	A-1	0-5	0-10	70-100	60-85	20-50	5-20	---	NP
	17-21	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---
70: Toll	0-15	Gravelly Loamy Sand	SM	A-1	0	0	85-90	60-75	35-50	10-20	---	NP
	15-60	Loamy Sand	SM	A-2	0	0	95-100	95-100	50-60	15-25	---	NP
	60-64	Coarse Sand Sand Loamy Coarse Sand	SP-SM	A-1	0	0	90-100	80-100	25-35	5-10	---	NP
71: Urban Land	---				---	---	---	---	---	---	---	---
72: Ursine Variant	0-7	Very Gravelly Fine Sandy Loam	GC-GM GM	A-1	0	0-5	50-60	40-50	30-40	15-25	0-25	NP-5
	7-11	Indurated	---	---	---	---	---	---	---	---	---	---
73:												

**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
73: Vamp	In											
	0-3	Fine Sandy Loam	SM	A-4	0	0	95-100	85-95	65-75	35-50	25-30	NP-5
	3-24	Fine Sandy Loam	SM	A-4	0	0	95-100	85-95	65-75	35-50	25-30	NP-5
	24-30	Cemented	---	---	---	---	---	---	---	---	---	---
	30-60	Stratified Loamy Sand To Loam	SM	A-2	0	0	90-100	80-90	50-60	25-35	15-25	NP-5
74: Vamp												
	0-4	Fine Sandy Loam	ML SM	A-4	0	0	100	90-100	65-80	40-60	---	NP
	4-24	Stratified Fine Sandy Loam To Silt Loam	ML SM	A-4	0	0	90-100	90-100	70-90	45-65	20-30	NP-5
	24-36	Cemented	---	---	---	---	---	---	---	---	---	---
	36-60	Stratified Loamy Sand To Silt Loam	ML SM	A-4	0	0	90-100	85-100	60-80	35-60	---	NP
75: Vicee												
	0-7	Very Fine Sandy Loam	CL-ML SC	A-4	0	0	85-95	80-90	70-80	40-60	20-25	5-10
	7-46	Very Fine Sandy Loam	SC-SM CL CL-ML SC-SM	A-4	0	0	80-100	75-90	65-80	40-70	20-30	5-10
	46-50	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Aldax Variant												
	0-5	Very Stony Very Fine Sandy Loam	GM	A-1	5-25	5-30	40-50	30-40	25-35	15-25	15-25	NP-5
	5-15	Very Gravelly Loam Very Gravelly Very Fine Sandy Loam	GM	A-1 A-2	0-5	5-20	45-55	35-45	30-40	20-30	15-25	NP-5
	15-19	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
76:												

**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
76: Vicee	In											
	0-7	Stony Very Fine Sandy	SC	A-4	1-5	5-10	85-100	80-90	70-80	40-50	20-25	5-10
	7-46	Very Fine Sandy Loam Loam	SC-SM CL CL-ML SC-SM	A-4	0	0	80-100	75-90	65-80	40-70	20-30	5-10
	46-50	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Aldax Variant	0-5	Very Stony Very Fine Sandy Loam	GM	A-1	5-25	5-30	40-50	30-40	25-35	15-25	15-25	NP-5
	5-15	Very Gravelly Loam Very Gravelly Very Fine Sandy Loam	GM	A-1 A-2	0-5	5-20	45-55	35-45	30-40	20-30	15-25	NP-5
	15-19	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
77: Voltaire	0-18	Silty Clay Loam	CL	A-6	0	0	100	100	95-100	85-95	35-40	20-25
	18-60	Stratified Loamy Sand To Silty Clay Loam	CL	A-6	0	0	100	100	90-100	75-85	35-40	20-25
78: Xerta	0-10	Extremely Stony Loam	GC GC-GM	A-2 A-4 A-6	25-55	5-20	60-75	55-65	50-60	30-40	25-35	5-15
	10-23	Clay	CH	A-7	0	0	90-100	80-90	70-80	60-70	50-60	30-40
	23-24	Indurated	---	---	---	---	---	---	---	---	---	---
	24-28	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---
80:												



**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
80: Cagle, VERY STONY	0-4	Cobbly Clay Loam	CL	A-6	5-25	5-30	85-95	80-90	75-85	55-65	35-45	15-25
	4-12	Gravelly Silty Clay	CH	A-7	0	0-5	60-85	50-75	45-75	40-65	45-55	20-30
		Gravelly Clay	CL									
		Gravelly Clay Loam	GC									
	12-28	Gravelly Clay Loam	CH	A-7	0	0-5	60-85	50-75	45-75	40-65	45-55	20-30
		Gravelly Silty Clay	CL									
		Gravelly Clay	GC									
	28-32	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Nosrac, STONY	0-2	Gravelly Clay Loam	GC	A-6	1-5	5-20	60-70	55-65	50-60	40-50	30-35	10-15
	2-9	Gravelly Loam	GC	A-6	0-2	0-10	60-90	50-85	45-60	35-50	35-40	15-20
		Gravelly Clay Loam	SC									
	9-18	Very Gravelly Loam	GC	A-2	0-10	5-25	45-55	40-50	30-45	25-35	35-40	15-20
		Very Gravelly Clay Loam										
	18-60	Very Gravelly Loam	GC	A-2	0-10	10-25	35-55	30-50	25-45	20-40	30-35	10-15
		Very Gravelly Clay Loam		A-6								
		Very Gravelly Fine Sandy Loam										
81: Cagle, VERY STONY	0-3	Very Cobbly Loam	GC	A-6	5-25	5-45	55-75	50-70	45-60	35-45	30-35	10-15
			SC									
	3-12	Gravelly Clay Loam	CH	A-7	0	0-5	60-85	50-75	45-75	40-65	45-55	20-30
		Gravelly Silty Clay	CL									
		Gravelly Clay	GC									
	12-35	Gravelly Silty Clay	CH	A-7	0	0-5	60-85	50-75	45-75	40-65	45-55	20-30
		Gravelly Clay	CL									
		Gravelly Clay Loam	GC									
	35-39	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---

**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
81: Oppio	In											
	0-4	Cobbly Sandy Loam	SC-SM	A-1	0	20-30	70-75	60-70	40-50	20-30	15-25	NP-10
	4-21	Clay Loam Gravelly Clay Sandy Clay Clay	SM CH GC	A-2 A-7	0	0-10	55-95	50-90	45-85	35-80	50-60	30-40
	21-25	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Tristan	0-7	Very Stony Loam	GC	A-2	5-15	25-35	55-70	50-65	35-55	30-50	20-30	5-10
	7-28	Very Stony Loam Very Cobbly Clay Loam Very Gravelly Clay Loam Very Stony Clay Loam	GC-GM CL GC SC	A-4 A-2 A-6	5-15	25-35	40-80	35-70	30-60	25-55	25-40	10-20
	28-49	Extremely Cobbly Sandy Clay Loam	GC	A-2	0-10	55-65	40-50	35-45	15-40	10-35	25-35	10-15
	49-53	Extremely Cobbly Loam Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
82: Corbett	0-9	Gravelly Sand	SP-SM SW-SM	A-1 A-2 A-3	0	0-5	75-95	50-75	30-60	5-10	---	NP
	9-32	Gravelly Loamy Coarse Gravelly Loamy Sand Sand	SM SP-SM	A-1	0	0-10	70-95	55-90	30-50	5-20	---	NP
	32-36	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
83:												

Distribution Generation Date:

# Table H. - Engineering Index Properties - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
83: Devada	0-4	Very Cobbly Loam	GC GC-GM SC SC-SM	A-2 A-4 A-6	0-5	30-65	55-75	50-70	40-50	30-45	25-35	5-15
	4-5	Clay Loam	CL	A-7	0	0-5	90-100	80-90	75-85	60-70	40-45	15-20
	5-13	Gravelly Clay	CH	A-7	0	0-5	65-100	55-100	50-90	35-70	50-65	25-35
	13-17	Unweathered Bedrock	GC									
			---	---	---	---	---	---	---	---	---	---
	0-4	Very Cobbly Loam	GC GC-GM SC SC-SM	A-2 A-4 A-6	0-5	30-65	55-75	50-70	40-50	30-45	25-35	5-15
	4-5	Clay Loam	CL	A-7	0	0-5	90-100	80-90	75-85	60-70	40-45	15-20
	5-13	Clay	CH	A-7	0	0-5	65-100	55-100	50-90	35-70	50-65	25-35
		Gravelly Clay	GC									
	13-17	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Koontz, EXTREMELY	0-2	Extremely Stony Loam	GM	A-4	25-40	10-20	50-75	45-70	40-60	35-50	20-30	NP-5
	2-5	Very Gravelly Loam	GM	A-2	0	0-15	50-65	35-50	30-45	25-35	20-30	NP-5
	5-12	Very Gravelly Clay Loam	GC	A-2	0	0-15	50-65	35-50	30-45	25-40	30-40	10-20
		Very Gravelly Loam		A-6								
	12-16	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
84: Devada	0-4	Very Cobbly Loam	GC GC-GM SC SC-SM	A-2 A-4 A-6	0-5	30-65	55-75	50-70	40-50	30-45	25-35	5-15
	4-13	Clay	CH	A-7	0	0-5	65-100	55-100	50-90	35-70	50-65	25-35
		Gravelly Clay	GC									
	13-17	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---

Distribution Generation Date:

**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
84: Koontz	In											
	0-7	Cobbly Loam	ML SM	A-4	1-5	5-15	80-90	70-80	45-60	40-55	20-30	NP-5
	7-14	Very Gravelly Clay Loam	GC	A-2	0-5	0-15	50-65	35-50	25-45	25-40	30-40	10-20
		Very Gravelly Loam		A-6								
	14-18	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
85: Devada												
	0-4	Very Cobbly Loam	GC GC-GM SC SC-SM	A-2 A-4 A-6	0-5	30-65	55-75	50-70	40-50	30-45	25-35	5-15
	4-13	Clay Gravelly Clay	CH GC	A-7	0	0-5	65-100	55-100	50-90	35-70	50-65	25-35
	13-17	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---
86: Devada												
	0-4	Very Cobbly Loam	GC GC-GM SC SC-SM	A-2 A-4 A-6	0-5	30-65	55-75	50-70	40-50	30-45	25-35	5-15
	4-13	Clay Gravelly Clay	CH GC	A-7	0	0-5	65-100	55-100	50-90	35-70	50-65	25-35
	13-17	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---
87:												

**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
87: Eastval	In											
	0-3	Gravelly Sandy Loam	GM SM	A-1 A-2	0	0-10	60-75	50-75	35-50	20-30	15-25	NP-5
	3-9	Loam Clay Loam Sandy Clay Loam	CL SC	A-6	0	0	95-100	75-100	70-95	45-70	30-40	10-20
	9-18	Clay Loam Clay Sandy Clay	CH CL SC	A-7	0	0-5	80-100	75-100	60-85	45-75	40-55	20-30
	18-22	Loam Sandy Clay Loam Gravelly Clay Loam	SC	A-6	0	0-5	90-100	60-85	50-60	40-55	30-40	10-20
	22-31	Cemented Material	GP	A-1	---	---	---	---	---	---	---	---
	31-61	Stratified Very Gravelly Loamy Coarse Sand To Sandy Loam	GM SM	A-1	0	0-10	55-75	35-60	20-40	10-20	15-20	NP
88: Erastra, EXTREMELY	0-3	Very Stony Coarse Sandy Loam	SM	A-1	25-50	0-15	85-95	45-70	25-40	10-25	15-25	NP-5
	3-7	Extremely Stony Sandy Clay Loam Extremely Stony Coarse Sandy Loam	SC SC-SM	A-2	15-40	0-15	85-95	45-70	10-40	10-25	25-30	5-10
	7-11	Extremely Stony Sandy Clay Loam Extremely Stony Coarse Sandy Loam	SC SC-SM	A-2	15-40	0-15	70-85	30-55	10-40	10-25	25-30	5-10
	11-14	Extremely Stony Sandy Clay Loam Extremely Stony Coarse Sandy Loam	SC SC-SM	A-2	15-40	0-15	70-85	30-55	10-40	10-25	25-30	5-10
	14-24	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---

**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
88: Eaglerock, VERY STONY	In											
	0-2	Very Gravelly Sandy Loam	SM	A-1	5-10	5-20	75-85	35-60	20-35	10-25	20-25	NP-5
	2-5	Coarse Sandy Loam	SM	A-2	0	0-5	95-100	75-100	50-70	20-35	15-25	NP-5
	5-31	Very Gravelly Sandy Loam	GC-GM	A-2	0	0-10	55-70	35-50	25-40	15-30	25-30	5-10
		Very Gravelly Sandy Clay Loam	SC									
		Very Gravelly Loam	SC-SM									
	31-60	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Erastra, EXTREMELY	0-3	Very Stony Coarse Sandy Loam	SM	A-1	25-50	0-15	85-95	45-70	25-40	10-25	15-25	NP-5
	3-7	Extremely Stony Sandy Clay Loam	SC	A-2	15-40	0-15	85-95	45-70	10-40	10-25	25-30	5-10
		Extremely Stony Coarse Sandy Loam	SC-SM									
	7-11	Extremely Stony Sandy Clay Loam	SC	A-2	15-40	0-15	70-85	30-55	10-40	10-25	25-30	5-10
		Extremely Stony Coarse Sandy Loam	SC-SM									
	11-14	Extremely Stony Sandy Clay Loam	SC	A-2	15-40	0-15	70-85	30-55	10-40	10-25	25-30	5-10
		Extremely Stony Coarse Sandy Loam	SC-SM									
	14-24	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
89: Glenbrook	0-8	Sand	SM	A-1	0	0-5	90-100	85-95	40-55	5-20	---	NP
			SP-SM	A-2								
	8-15	Gravelly Sand	SM	A-3	0	0-10	80-95	60-80	40-50	5-20	---	NP
		Gravelly Loamy Coarse Sand	SW-SM	A-1								
	15-19	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---

**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
89: Glenbrook	0-9	Sand	SM SP-SM	A-1 A-2 A-3	0	0-5	90-100	85-95	40-55	5-20	---	NP
	9-15	Coarse Sand Gravelly Sand	SM SW-SM	A-1	0	0-10	80-95	60-80	40-50	5-20	---	NP
	15-19	Gravelly Loamy Coarse Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
90: Godecke	0-8	Fine Sandy Loam	CL CL-ML	A-4	0	0	100	100	80-90	55-65	20-30	5-10
	8-18	Sandy Clay Loam Clay Loam	CL	A-7	0	0	100	100	85-95	60-70	40-45	20-25
	18-60	Stratified Loamy Sand To Silt Loam	SM	A-2 A-4	0	0	100	100	60-80	25-45	15-20	NP-5
91: Graylock	0-6	Bouldery Loamy Sand	SM	A-1	1-5	5-15	75-90	50-75	20-40	10-25	---	NP
	6-42	Very Gravelly Loamy Sand Very Gravelly Loamy Coarse Sand	SM	A-1	0	0-15	65-85	40-55	15-40	10-15	---	NP
	42-56	Gravelly Coarse Sand Extremely Gravelly Loamy Sand	GM GP-GM SM	A-1	0	5-15	40-80	20-65	10-40	5-20	---	NP
	56-60	Very Gravelly Sand Unweathered Bedrock	SP-SM ---	---	---	---	---	---	---	---	---	---
Temo	0-10	Bouldery Coarse Sand	SW-SM	A-1	1-5	5-15	85-100	50-70	20-45	5-10	---	NP
	10-16	Gravelly Coarse Sand Coarse Sand	SM SP-SM	A-1	0	0-5	70-100	50-80	20-45	5-15	---	NP
	16-20	Gravelly Loamy Coarse Weathered Bedrock	---	---	---	---	---	---	---	---	---	---

**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
91: Rock Outcrop	---				---	---	---	---	---	---	---	---
92: Indian Creek	0-3	Very Cobbly Loam	SC SC-SM	A-2 A-4 A-6	0-5	30-55	70-90	60-85	55-75	30-50	25-35	5-15
	3-20	Sandy Clay Clay Gravelly Clay	CH CL	A-7	0	0-5	80-100	60-90	55-80	50-80	45-60	25-40
	20-25	Indurated	---	---	---	---	---	---	---	---	---	---
	25-60	Stratified Extremely Gravelly Loamy Coarse Sand To Gravelly Sandy Clay Loam	GC-GM GM GP-GC GW-GM	A-1 A-2	0-5	5-30	35-55	30-55	15-25	5-15	15-30	NP-10
93: Indiano	0-13	Stony Sandy Loam	GC-GM GM SC-SM	A-4	5-15	0-5	60-80	60-75	50-70	35-50	20-30	NP-10
	13-33	Loam Gravelly Clay Loam	SM CL GC	A-2 A-6	0	0-15	65-95	60-85	50-85	30-70	30-45	15-25
	33-37	Sandy Clay Loam Unweathered Bedrock	SC ---	A-7 ---	---	---	---	---	---	---	---	---
Nosrac	0-6	Stony Fine Sandy Loam	SC SC-SM	A-2	1-5	5-20	60-70	55-65	45-55	15-25	20-25	5-10
	6-52	Very Gravelly Loam Very Gravelly Clay Loam	GC	A-2	0-10	5-25	45-55	40-50	30-45	25-35	35-40	15-20
	52-60	Very Gravelly Clay Loam Very Gravelly Fine Sandy Loam Very Gravelly Loam	GC	A-2 A-6	0-10	10-25	35-55	30-50	25-45	20-40	30-35	10-15



**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
93:												
Old Camp	0-8	Stony Sandy Loam	SM	A-1	1-5	5-15	60-70	55-65	35-45	15-25	15-25	NP-5
	8-17	Very Cobbly Clay Loam	GC	A-2	15-25	20-30	40-55	35-50	30-45	25-40	30-40	15-25
		Extremely Cobbly Clay		A-6								
		Very Stony Clay Loam										
	17-21	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
94:												
Kimmerling	0-8	Clay Loam	CL	A-6	0	0	100	100	90-100	70-90	35-45	15-20
				A-7								
	8-48	Stratified Loam To Silty Clay Loam	CL	A-6	0	0	100	100	90-100	70-80	35-45	15-25
				A-7								
	48-60	Stratified Gravelly Loamy Sand To Silty Clay Loam	CL SC	A-6	0	0	75-100	70-100	50-90	40-65	30-40	10-20
95:												
Koontz	0-2	Very Gravelly Loam	GM	A-2	0	0-15	50-65	35-50	30-45	25-35	20-30	NP-5
	2-5	Very Gravelly Loam	GM	A-2	0	0-15	50-65	35-50	30-45	25-35	20-30	NP-5
	5-12	Very Gravelly Loam	GC	A-2	0	0-15	50-65	35-50	30-45	25-40	30-40	10-20
		Very Gravelly Clay Loam		A-6								
	12-16	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Sutro, VERY STONY	0-4	Very Cobbly Loam	GC	A-2	5-15	5-25	55-65	45-55	35-45	30-40	30-35	10-15
				A-6								
	4-6	Gravelly Fine Sandy Loam	SC	A-6	0	5-20	70-80	55-65	45-55	35-45	30-35	10-15
		Gravelly Loam										
	6-14	Gravelly Loam	SC	A-6	0	5-20	70-80	55-65	45-55	35-45	30-35	10-15
		Gravelly Fine Sandy Loam										
	14-24	Gravelly Loam	SC	A-6	0	5-20	70-80	55-65	45-55	35-45	30-35	10-15
		Gravelly Fine Sandy Loam										
	24-48	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---

**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
95: Nosrac, STONY	In											
	0-2	Gravelly Fine Sandy Loam	SC SC-SM	A-2	1-5	5-20	60-70	55-65	45-55	15-25	20-25	5-10
	2-9	Gravelly Loam Gravelly Clay Loam	GC SC	A-6	0-2	0-10	60-90	50-85	45-60	35-50	35-40	15-20
	9-18	Very Gravelly Clay Loam Very Gravelly Loam	GC	A-2	0-10	5-25	45-55	40-50	30-45	25-35	35-40	15-20
	18-60	Very Gravelly Fine Sandy Loam Very Gravelly Loam Very Gravelly Clay Loam	GC	A-2 A-6	0-10	10-25	35-55	30-50	25-45	20-40	30-35	10-15
96: Koontz, very stony	0-2	Very Stony Loam	GM	A-4	25-40	10-20	50-75	45-70	40-60	35-50	20-30	NP-5
	2-5	Very Gravelly Loam	GM	A-2	0	0-15	50-65	35-50	30-45	25-35	20-30	NP-5
	5-12	Very Gravelly Clay Loam Very Gravelly Loam	GC	A-2 A-6	0	0-15	50-65	35-50	30-45	25-40	30-40	10-20
	12-16	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Tristan, VERY STONY	0-7	Very Cobbly Loam	GC GC-GM	A-2 A-4	5-15	25-35	55-70	50-65	35-55	30-50	20-30	5-10
	7-28	Very Stony Loam Very Gravelly Clay Loam Very Cobbly Clay Loam Very Stony Clay Loam	CL GC SC	A-2 A-6	5-15	25-35	40-80	35-70	30-60	25-55	25-40	10-20
	28-49	Extremely Cobbly Sandy Clay Loam	GC	A-2	0-10	55-65	40-50	35-45	15-40	10-35	25-35	10-15
	49-53	Extremely Cobbly Loam Weathered Bedrock	---	---	---	---	---	---	---	---	---	---

**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches  Pct	3-10 Inches  Pct	4	10	40	200		
96: Devada, VERY STONY	In											
	0-4	Cobbly Loam	CL CL-ML SC SC-SM	A-4 A-6	5-25	10-45	75-100	70-100	50-75	40-60	25-35	5-15
	4-5	Clay Loam	CL	A-7	0	0-5	90-100	80-90	75-85	60-70	40-45	15-20
	5-13	Clay	CH	A-7	0	0-5	65-100	55-100	50-90	35-70	50-65	25-35
		Gravelly Clay	GC									
	13-17	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
97: Leviathan, STONY												
	0-9	Gravelly Sandy Loam	SC-SM	A-1	1-5	0-10	80-90	50-60	35-50	15-30	20-30	NP-10
			SM	A-2								
	9-44	Very Gravelly Sandy Clay Loam	GC	A-2	5-15	0-15	50-70	40-50	35-45	15-25	35-45	15-20
			SC									
		Very Gravelly Clay Loam										
	44-65	Very Gravelly Sandy Clay Loam	GC	A-2	5-15	5-15	40-60	30-50	20-45	10-20	35-45	15-20
			SC									
		Extremely Gravelly Sandy Clay Loam										
		Very Gravelly Clay Loam										
98: Oppio												
	0-6	Very Stony Fine Sandy	SM	A-1 A-2	5-25	10-20	65-75	45-65	35-50	20-30	10-20	NP-5
	6-31	Gravelly Clay	GC	A-7	0	0-5	60-70	50-60	45-55	40-50	50-60	20-30
			GM									
	31-35	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---

**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
98: Nosrac	In											
	0-12	Stony Clay Loam	GC	A-6	1-5	5-20	60-70	55-65	50-60	40-50	30-35	10-15
	12-60	Very Gravelly Loam	GC	A-2	0-10	5-25	45-55	40-50	30-45	25-35	35-40	15-20
		Very Gravelly Clay Loam										
	60-64	Very Gravelly Fine Sandy Loam	GC	A-2 A-6	0-10	10-25	35-55	30-50	25-45	20-40	30-35	10-15
99: Reno		Very Gravelly Loam										
		Very Gravelly Clay Loam										
	0-5	Cobbly Sandy Loam	SM	A-1 A-2	0	15-30	75-95	65-90	45-65	20-30	15-25	NP-5
	5-27	Gravelly Clay Sandy Clay Clay	CH CL SC	A-7	0	0-5	80-100	70-95	60-85	45-75	45-65	25-35
	27-41	Indurated	---	---	---	---	---	---	---	---	---	---
100: Roloc	41-60	Extremely Gravelly Loamy Sand	GM	A-1	0	5-10	30-55	20-50	15-30	5-15	---	NP
		Very Gravelly Loamy Sand	GP-GM GW-GM									
	0-2	Gravelly Sandy Loam	SM	A-1	0	0-5	80-90	55-80	30-40	10-20	---	NP
	2-9	Coarse Sandy Loam	SM	A-2	0	0-5	95-100	75-100	50-70	20-35	15-25	NP-5
	9-11	Very Gravelly Coarse Sandy Loam	SC-SM SM	A-1 A-2	0	0-5	70-80	35-50	20-35	15-30	15-25	NP-5
	11-18	Gravelly Sandy Loam	SC	A-2	0	0-5	70-80	35-50	20-35	15-30	20-30	5-10
		Very Gravelly Loam	SC-SM									
		Very Gravelly Coarse Sandy Loam										
	18-22	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---

**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
100: Graufels, VERY STONY	In											
	0-3	Stony Loamy Coarse Sand	SM	A-1	5-15	0-5	85-100	60-85	15-30	5-15	---	NP
	3-10	Loamy Coarse Sand	SP-SM SM	A-1	0	0	80-100	75-90	25-40	5-20	---	NP
	10-22	Gravelly Loamy Coarse Gravelly Loamy Sand Sand	SW-SM SM	A-1 A-2	0	0	85-90	60-80	30-55	10-20	---	NP
	22-40	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Glenbrook, VERY STONY	0-4	Stony Loamy Coarse Sand	SM	A-1	5-15	0-5	85-100	60-85	15-30	5-15	0-14	NP
	4-9	Gravelly Loamy Coarse	SP-SM SM	A-1	0	0-10	80-95	60-75	40-50	5-20	---	NP
	9-15	Coarse Sand Gravelly Sand Gravelly Loamy Coarse	SW-SM SM SW-SM	A-1	0	0-10	80-95	60-80	40-50	5-20	---	NP
	15-19	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
103: Saralegui	0-4	Sand	SM	A-1	0	0	95-100	85-95	45-55	5-15	0-14	NP
	4-36	Coarse Sandy Loam Sandy Loam Gravelly Sandy Loam	SC SC-SM	A-2 A-3 A-2	0	0-5	90-100	65-90	50-60	20-30	25-30	5-10
	36-61	Sand Loamy Sand Gravelly Sandy Loam	SM	A-1 A-2	0	0-5	95-100	65-95	45-55	10-20	0-14	NP
104:												

**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
104: Springmeyer	In											
	0-3	Gravelly Fine Sandy Loam	SC-SM SM	A-2 A-4	0	0-5	65-80	55-75	45-60	25-40	20-30	NP-10
	3-10	Gravelly Fine Sandy Loam	SC-SM SM	A-2 A-4	0	0-5	65-80	55-75	45-60	25-40	20-30	NP-10
	10-22	Gravelly Sandy Clay Loam Clay Loam	CL SC	A-2 A-6	0	0-5	80-95	65-85	60-80	30-60	35-45	15-20
	22-60	Sandy Clay Loam Stratified Extremely Gravelly Loamy Sand To Sandy Clay Loam	SC	A-7 A-2	0	0-5	70-85	55-70	30-45	20-30	25-35	10-15
105: Springmeyer	0-3	Gravelly Loam	SC-SM SM	A-2 A-4	0	0-5	65-80	55-75	45-60	25-40	20-30	NP-10
	3-10	Gravelly Fine Sandy Loam	SC-SM SM	A-2 A-4	0	0-5	65-80	55-75	45-60	25-40	20-30	NP-10
	10-22	Clay Loam Sandy Clay Loam	CL SC	A-2 A-6	0	0-5	80-95	65-85	60-80	30-60	35-45	15-20
	22-60	Gravelly Sandy Clay Loam Stratified Extremely Gravelly Loamy Sand To Sandy Clay Loam	SC	A-7 A-2	0	0-5	70-85	55-70	30-45	20-30	25-35	10-15
106: Temo	0-10	Bouldery Coarse Sand	SW-SM	A-1	1-5	5-15	85-100	50-70	20-45	5-10	---	NP
	10-16	Gravelly Loamy Coarse Gravelly Coarse Sand Coarse Sand	SM SP-SM	A-1	0	0-5	70-100	50-80	20-45	5-15	---	NP
	16-20	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---

**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches  Pct	3-10 Inches  Pct	4	10	40	200		
106: Witefels	In											
	0-8	Gravelly Coarse Sand	SM SW-SM	A-1	0	0-5	90-95	65-75	20-40	5-15	---	NP
	8-35	Gravelly Coarse Sand Gravelly Loamy Coarse	SM	A-1	0	0-5	85-95	55-75	20-35	10-20	---	NP
	35-39	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
107: Toiyabe												
	0-9	Bouldery Coarse Sand	SM SP-SM	A-1	1-5	5-15	70-100	60-85	20-50	5-20	---	NP
	9-13	Coarse Sand Gravelly Loamy Coarse	SM SP-SM	A-1	0-5	0-10	70-100	60-85	20-50	5-20	---	NP
	13-17	Loamy Coarse Sand Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---
Wet Areas	---				---	---	---	---	---	---	---	---
108: Toll												
	0-4	Sand	SP-SM SW-SM	A-1 A-2 A-3	0	0	90-100	90-100	45-60	5-10	---	NP
	4-54 54-60	Loamy Sand Coarse Sand Sand Loamy Coarse Sand	SM SP-SM	A-2 A-1	0 0	0 0	95-100 90-100	95-100 80-100	50-60 25-35	15-25 5-10	---	NP NP
109:												

**Table H. - Engineering Index Properties - Continued**

Carson City Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit  Pct	Plasticity  Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
109: Toll	In											
	0-4	Sand	SP-SM SW-SM	A-1 A-2 A-3	0	0	90-100	90-100	45-60	5-10	---	NP
	4-54	Loamy Sand	SM	A-2	0	0	95-100	95-100	50-60	15-25	---	NP
	54-60	Sand Loamy Coarse Sand Coarse Sand	SP-SM	A-1	0	0	90-100	80-100	25-35	5-10	---	NP
110: Uhaldi	0-2	Gravelly Loam	GC	A-6	0	0-10	60-80	50-75	50-55	35-45	25-35	10-15
	2-4	Gravelly Loam	GC	A-6	0	0-10	60-80	50-75	50-55	35-45	25-35	10-15
	4-25	Clay Loam	CL	A-6	0	0-10	55-85	50-80	45-75	40-60	35-45	15-25
		Gravelly Clay Loam	GC	A-7								
	25-29	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
111: Voltaire	0-20	Silty Clay	CH	A-7	0	0	100	100	95-100	90-95	55-60	30-35
	20-60	Stratified Loamy Sand To Silty Clay Loam	CL	A-6	0	0	100	95-100	80-90	65-75	30-40	10-20
Other Soils	---				---	---	---	---	---	---	---	---
113: Voltaire	0-20	Silty Clay Loam	CL	A-6 A-7	0	0	100	100	90-100	80-90	35-45	15-20
	20-60	Stratified Loamy Sand To Silty Clay Loam	CL	A-6	0	0	100	95-100	80-90	65-75	30-40	10-20
114: Water	---				---	---	---	---	---	---	---	---